

**Associate of Applied Science – 64 credits
Cyber Security and IT Operations**

Name:	Date of Entry:	Advisor:
Dual Major With:	Supplemental Advisor:	
Transferred From:		
Credit Hours Transferred In:	Must complete 1/3 of degree through Helena College	

Course #	Course Title	CR	Pre - Requisites	SE M	Grade	Comments
First Semester (14 Credits)						
CSCI 100	Intro to Programming	3				
CSCI 194	CT Seminar	2				
ITS 164	Networking Fundamentals	3				
M 115	Probability or Linear	3	Placement or M 092 concurrently			
WRIT 121T	Intro to Tech Writing	3	WRIT 096, if placement score indicates			
Second Semester (16 Credits)						
CSCI 111	Prog with Java I	3	CSCI 100			
CSCI 240	Databases SQL	3				
ITS 179	Cloud Systems	3				
ITS 224	Intro to Linux	3	CSCI 100			
NTS-103	CCNA1: Introduction to Networks Lab	1	Co-Req NTS-104			
NTS 104	CCNA 1: Introduction to Networks	3	ITS-164			
Third Semester (18 Credits)						
COMX 106	COMM in a Dynamic Workplace	2				
NTS 105	CCNA 2: Switching, Routing and Wireless Essentials	3	NTS 103/104			
ITS ???	Infrastructure Automation	3				
ITS 218	Network Security	3	ITS 224, ITS 280, NTS 105			
ITS 222	Enterprise Security	3				
ITS ???	Electronics Hardware	2				
Choose one of the following:						
CSCI 298 CSCI 292	Internship or Independent Study or CT Elective	2	Instructor Approval			
Fourth Semester (16Credits)						
ITS ???	Cloud Deployment and Infrastructure Management	3				
ITS 212	Network Ops - Server	3	ITS 280, NTS 105			
CSCI 299	Capstone	2	CSCI-194			
NTS 204	CCNA 3: Enterprise Networking, Security and Automation	3	NTS 105			
ITS 274	Ethical Hacking and Network Defence	3	ITS 224, ITS 280, NTS 204			
???	Business Relationships and Customer Service	2				
Developmental Coursework:						